

1644



P#17

1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/685,830B

DATE: 10/31/2002
 TIME: 16:02:24

Input Set : D:\465c3.app.txt
 Output Set: N:\CRF4\10312002\I685830B.raw

RECEIVED

NOV 07 2002

TECH CENTER 1600/2900

ENTERED

3 <110> APPLICANT: Gaiger, Alexander
 4 Cheever, Martin A.
 7 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1
 8 SPECIFIC IMMUNOTHERAPY
 10 <130> FILE REFERENCE: 210121.465C3
 12 <140> CURRENT APPLICATION NUMBER: US 09/685,830B
 13 <141> CURRENT FILING DATE: 2000-10-09
 15 <150> PRIOR APPLICATION NUMBER: US 09/684,361
 16 <151> PRIOR FILING DATE: 2000-10-06
 18 <150> PRIOR APPLICATION NUMBER: US 09/276,484
 19 <151> PRIOR FILING DATE: 1999-03-25
 21 <150> PRIOR APPLICATION NUMBER: US 09/164,223
 22 <151> PRIOR FILING DATE: 1998-09-30
 24 <160> NUMBER OF SEQ ID NOS: 326
 26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 17
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Homo sapien
 33 <400> SEQUENCE: 1
 34 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly
 35 1 5 10 15
 36 Gly
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 23
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Homo sapien
 44 <400> SEQUENCE: 2
 45 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
 46 1 5 10 15
 47 Tyr Leu Pro Ser Cys Leu Glu
 48 20
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 23
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Mus musculus
 55 <400> SEQUENCE: 3
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 57 1 5 10 15
 58 Tyr Leu Pro Ser Cys Leu Glu
 59 20
 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 19

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63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapien
66 <400> SEQUENCE: 4
67 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
68   1           5           10           15
69 Trp Thr Glu
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapien
77 <400> SEQUENCE: 5
78 gagagtcaga cttgaaagca gt
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapien
85 <400> SEQUENCE: 6
86 ctgagcctca gcaaattgggc
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapien
93 <400> SEQUENCE: 7
94 gagcatgcat gggctccgac gtgcggg
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 25
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapien
101 <400> SEQUENCE: 8
102 ggggtaccca ctgaacgggtc cccga
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 18
106 <212> TYPE: DNA
107 <213> ORGANISM: Mus musculus
109 <400> SEQUENCE: 9
110 tccgagccgc acctcatg
112 <210> SEQ ID NO: 10
113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Mus musculus
117 <400> SEQUENCE: 10
118 gcctgggatg ctggactg
120 <210> SEQ ID NO: 11
121 <211> LENGTH: 27
122 <212> TYPE: DNA
123 <213> ORGANISM: Mus musculus
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126 gagcatgcga tgggttccga cgtgcgg
128 <210> SEQ ID NO: 12

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129 <211> LENGTH: 29
130 <212> TYPE: DNA
131 <213> ORGANISM: Mus musculus
133 <400> SEQUENCE: 12
134 ggggtacctc aaagcgccac gtggagttt
136 <210> SEQ ID NO: 13
137 <211> LENGTH: 17
138 <212> TYPE: PRT
139 <213> ORGANISM: Mus musculus
141 <400> SEQUENCE: 13
142 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
143 1 5 10 15
144 Gly
147 <210> SEQ ID NO: 14
148 <211> LENGTH: 19
149 <212> TYPE: PRT
150 <213> ORGANISM: Mus musculus
152 <400> SEQUENCE: 14
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154 1 5 10 15
155 Trp Thr Glu
158 <210> SEQ ID NO: 15
159 <211> LENGTH: 15
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapien
163 <400> SEQUENCE: 15
164 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
165 1 5 10 15
167 <210> SEQ ID NO: 16
168 <211> LENGTH: 15
169 <212> TYPE: PRT
170 <213> ORGANISM: Mus musculus
172 <400> SEQUENCE: 16
173 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
174 1 5 10 15
176 <210> SEQ ID NO: 17
177 <211> LENGTH: 14
178 <212> TYPE: PRT
179 <213> ORGANISM: Mus musculus
181 <400> SEQUENCE: 17
182 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
183 1 5 10
185 <210> SEQ ID NO: 18
186 <211> LENGTH: 14
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapien
190 <400> SEQUENCE: 18
191 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
192 1 5 10

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194 <210> SEQ ID NO: 19
195 <211> LENGTH: 15
196 <212> TYPE: PRT
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199 <400> SEQUENCE: 19
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201     1           5              10              15
203 <210> SEQ ID NO: 20
204 <211> LENGTH: 15
205 <212> TYPE: PRT
206 <213> ORGANISM: Mus musculus
208 <400> SEQUENCE: 20
209   Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
210     1           5              10              15
212 <210> SEQ ID NO: 21
213 <211> LENGTH: 21
214 <212> TYPE: DNA
215 <213> ORGANISM: Mus musculus
217 <400> SEQUENCE: 21
218   cccaggtgc aataagagat a
220 <210> SEQ ID NO: 22
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 22
226   atgttgtgat ggcggaccaa t
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Homo sapien
233 <400> SEQUENCE: 23
234   gtggggcgcc ccaggcacca
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 24
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapien
241 <400> SEQUENCE: 24
242   gtccttaatg ctacgcacga ttic
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 21
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 25
250   ggcattctgag accagtgaga a
252 <210> SEQ ID NO: 26
253 <211> LENGTH: 21
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 26

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258 gctgtccac ttacagatgc a 21
260 <210> SEQ ID NO: 27
261 <211> LENGTH: 21
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 27
266 tcaaagcgcc agctggagtt t 21
268 <210> SEQ ID NO: 28
269 <211> LENGTH: 9
270 <212> TYPE: PRT
271 <213> ORGANISM: Homo sapien
273 <400> SEQUENCE: 28
274 Ala Ala Gly Ser Ser Ser Ser Val Lys
275 1 5
277 <210> SEQ ID NO: 29
278 <211> LENGTH: 9
279 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapien
282 <400> SEQUENCE: 29
283 Ala Ala Gln Phe Pro Asn His Ser Phe
284 1 5
286 <210> SEQ ID NO: 30
287 <211> LENGTH: 9
288 <212> TYPE: PRT
289 <213> ORGANISM: Homo sapien
291 <400> SEQUENCE: 30
292 Ala Glu Pro His Glu Glu Gln Cys Leu
293 1 5
295 <210> SEQ ID NO: 31
296 <211> LENGTH: 9
297 <212> TYPE: PRT
298 <213> ORGANISM: Homo sapien
300 <400> SEQUENCE: 31
301 Ala Gly Ala Cys Arg Tyr Gly Pro Phe
302 1 5
304 <210> SEQ ID NO: 32
305 <211> LENGTH: 9
306 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapien
309 <400> SEQUENCE: 32
310 Ala Gly Ser Ser Ser Ser Val Lys Trp
311 1 5
313 <210> SEQ ID NO: 33
314 <211> LENGTH: 9
315 <212> TYPE: PRT
316 <213> ORGANISM: Homo sapien
318 <400> SEQUENCE: 33
319 Ala Ile Arg Asn Gln Gly Tyr Ser Thr
320 1 5

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VERIFICATION SUMMARY

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